

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Tomoki NOBUTA et al.

Serial No. (unknown)

Filed herewith

SECONDARY BATTERY OF PROTON
CONDUCTIVE POLYMER

PRELIMINARY AMENDMENT

Commissioner for Patents

Washington, D.C. 20231

Sir:

Prior to the first Official Action and calculation of the filing fee, please amend the above-identified application as follows:

IN THE CLAIMS:

Amend claim 5 as follows:

--5. (Amended) The secondary battery as claimed in claim 1, wherein the concentration of sulfuric acid in the electrolyte is 5 to 40 %.--

Amend claim 6 as follows:

--6. (Amended) The secondary battery as claimed in claim 1, wherein the concentration of the hydrogensulfate added to the electrolyte is such that a weight ratio of the sulfuric acid to the hydrogensulfate is 100 parts of the sulfuric acid to 5 to 45 parts of the hydrogensulfate.--

103577-15793560

Amend claim 7 as follows:

--7. (Amended) The secondary battery as claimed in claim 1, wherein the active material of the positive electrode is selected from a group consisting of polyaniline, polydianiline, polydiaminoanthraquinone, polybiphenylaniline, polynaphthylaniline, indole trimer and their derivatives, and the active material of the negative electrode is selected from a group consisting of polypyridine polypyrimidine, polyquinoxaline and their derivatives.--

R E M A R K S

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned "VERSION WITH MARKINGS TO SHOW CHANGES MADE."

Respectfully submitted,

YOUNG & THOMPSON

By *Benoit Castel*
Benoit Castel
Attorney for Applicants
Registration No. 35,041
Customer No. 00466
745 South 23rd Street
Arlington, VA 22202
Telephone: 703/521-2297

November 13, 2001

"VERSION WITH MARKINGS TO SHOW CHANGES MADE"

Claims 5-7 have been amended as follows:

--5. (Amended) The secondary battery as claimed in
~~any one of Claims 2 to 4~~claim 1, wherein the concentration of
sulfuric acid in the electrolyte is 5 to 40 %.--

--6. (Amended) The secondary battery as claimed in
~~any one of Claims 2 to 5~~claim 1, wherein the concentration of
the hydrogensulfate added to the electrolyte is such that a
weight ratio of the sulfuric acid to the hydrogensulfate is
100 parts of the sulfuric acid to 5 to 45 parts of the
hydrogensulfate.--

--7. (Amended) The secondary battery as claimed in
~~any one of Claims~~claim 1 to 6, wherein the active material of
the positive electrode is selected ~~form~~from a group consisting
of polyaniline, polydianiline, polydiaminoanthraquinone,
polybiphenylaniline, polynaphthylaniline, indole trimer and
their derivatives, and the active material of the negative
electrode is selected from a group consisting of polypyridine
polypyrimidine, polyquinoxaline and their derivatives.--